

a4
Sub. B2
same or a different gel rigidity; said gel characterized by a gel rigidity of from about 2 gram to about 1,800 gram Bloom; wherein said gel is capable of exhibiting greater tear propagation resistance than a gel having a corresponding rigidity made from poly(styrene-ethylene-butylene-styrene) or poly(styrene-ethylene-propylene-styrene) block copolymers having substantially non-poly(ethylene) midblocks.

R E M A R K S

The application and the material cited to date have been carefully reviewed along with Examiner's remarks in the Advisory action. After this review, Applicant is convinced that his invention as claimed is patentable. Applicant strongly believes that his claims define the invention in a clear and definite manner, and that all of the claims are allowable.

The specification is amended to correct transcription errors. Claims 1-7 are amended to bring out the invention. Claim 8 is added and is supported by the specification and claims as originally filed and does not involve new matter.

In response to the Official restriction requirements and election of (a), (b), or (c), Applicant respectfully elects the species (p) listed below of membrane-airfoils with or without holes. This election is a species or sub-species of (b) made with the understanding that the broad claimed invention is not limited to membrane-airfoils with or without holes only.

Applicant would like to make of record that the species a) different gel regions, b) airfoil with holes, and c) airfoil with foam layers identified in the instant specification by Examiner are not the only species found in the specification. Other species include: d) airfoil made from crystal gels, e) airfoil made from crystal gels with delay action, f) airfoil with hole, g) airfoil with multiple holes, h) airfoil with slot, i) airfoil with multiple slots, j) airfoil with cavity, k) airfoil with multiple cavities, l) airfoil with hole and slot, m) airfoil with hole and cavity, n) airfoil with cavity and slot,

o) airfoil with hole, slot & cavity, p) membrane-airfoil with or without holes, q) airfoil with membrane and hole, r) airfoil with membrane and multiple holes, s) airfoil with inner perimeter, t) airfoil with outer perimeter, u) airfoil with inner and outer perimeters, u) airfoil having the following structures of gels denoted as "G" formed with another gel of a different rigidity to form gel composites or physically interlocked with a selected material denoted as "M" to form composites as denoted for simplicity by their combinations GnGn, GnGnGn, GnMn, GnMnGn, MnGnMn, MnGnGn, GnGnMn, MnMnMnGn, MnMnMnGnMn, MnGnGnMn, GnMnGnGn, GnMnMnGn, GnMnMnGn, GnGnMn Mn, GnGnMn GnMn, GnMnGnGn, GnGnMn, GnMnGnMnMn, MnGnMnGnMnGn, GnGnMnMnGn, GnGnMnGnMnGn, and any of their permutations of one or more Gn with Mn and the like, wherein when n is a subscript of M, n is the same or different selected from the group consisting of foam, plastic, fabric, synthetic fibers or films; v) gel airfoil made in combination with open cell materials (polyamides, polyimides, polyesters, polyisocyanurates, polyisocyanates, polyurethanes, poly(vinyl alcohol), metals, ceramics, glasses, and plastics, elastomers, fluoropolymers, expanded fluoropolymers, Teflon (TFE, PTFE, PEA, FEP, etc), expanded Teflon, or spongy expanded nylon; w) airfoil made from one or more of the following polymer gel species: (S-E-S), (S-E-EB-S), (S-E-EP-S), (S-B-EP-S), (S-B-EB-S), (S-E-EP-E-S), (S-E-EB-B-S), (S-B-EP-B-S), (S-B-EB-B-S), (S-E-B-EB-S), (S-E-B-EP-S), (S-EB-EP-S), (S-E-EB-EP-S), (S-E-EP-EB-S), (S-B-EB-EP-S), (S-B-EP-EB-S), (S-E-EP-E-EP-S), (S-E-EP-E-EB-S), (S-EP-B-EP-S), (S-B-EB-B-EB-S), (S-B-EB-B-EP-S), (S-E-EB-B-EP-S), (S-E-EP-B-EB-S), (S-E-EP-E-EP-E-S), (S-B-EP-B-EP-B-S), (S-E-EP-E-EB-S), (S-E-EP-E-EP-EB-S), (S-E-EP-E-EP-E-S), (S-E-EP-EB-EP-EB-B-S), (S-E-EP-EB-EP-EB..... -S), (S-E)n, (S-E-EB)n, (S-E-EP)n, (S-B-EP)n, (S-B-EB)n, (S-E-EP-E)n, (S-E-EB-B)n, (S-B-EP-B)n, (S-B-EB-B)n, (S-E-B-EB)n, (S-E-B-EP)n, (S-EB-EP)n, (S-E-EB-EP)n, (S-E-EP-EB)n, (S-B-EB-EP)n, (S-B-EP-EB)n, (S-E-EP-E-EP)n, (S-E-EP-E-EB)n, (S-EP-B-EP)n, (S-B-EB-B-EB)n, (S-B-EB-B-EP)n, (S-E-EB-B-EP)n, (S-E-EP-B-EB)n, (S-E-EP-E-EP-E)n, (S-B-EP-B-EP-B)n, (S-E-EP-E-EB)n, (S-E-EP-E-EP-EB)n, (S-E-EP-E-EP-E)n, (S-E-EP-EB-EP-EB-B)n, (R)n-E-S, (R)n-E-EB-S, (R)n-E-EP-S, (R)n-E-EP-E-S, (R)n-E-EB-B-S, (R)n-E-B-EB-S, (R)n-E-B-EP-S, (R)n-E-EB-EP-S, (R)n-E-EP-EB-S, (R)n-E-EP-E-EP-S, (R)n-E-EP-E-EB-S, (R)n-E-EB-B-EP-S, (R)n-E-EP-B-EB-S, (R)n-E-EP-E-EP-E-S, (R)n-E-EP-E-EB-S, (R)n-E-EP-E-EP-EB-S, (R)n-E-EP-E-EP-E-S, (R)n-E-EP-EB-EP-EB-B-S, (R)n-E-EP-EB-EP-EB..... -S.

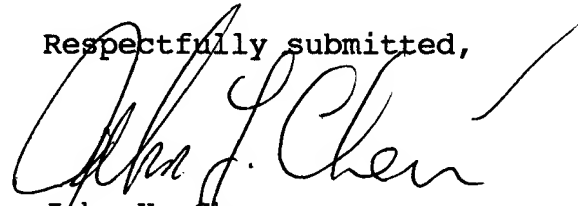
There are at least a-w or 23 different species disclosed in the specification, it is not clear why the Office named only a, b, and c for election. It should be noted that the 23 different and more species described in the specification is to teach one skilled in the art and the claimed invention is broader than species a or b or c.

This response is being made within the (1) month period for response.

The total number of claims is under 20, one dependent claim is added, no claim is due.

Should Examiner have any questions regarding this response, Applicant can be reached at (650) 827-1388.

Respectfully submitted,



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